

Q1. The following piece of code is used to print out the local machine's name, address (as a string) and address in byte format. Answer the following question. [10 Marks]

```
public static void main(String[] args){  
    printLocalAddress();  
}
```

Write the code for implementing the following function:

- printLocalAddress():

```
void printLocalAddress()
```

```
{
```

```
    try
```

```
    {
```

```
        InetAddress ad = InetAddress.getLocalHost();
```

```
        System.out.println("HostName:" + ad.getHostName());
```

```
        System.out.println("IP address:" + ad.getHostAddress());
```

```
        byte[] ip = new byte[4];
```

```
        ip = ad.getAddress();
```

```
        for (int i = 0; i < ip.length; i++)
```

```
            System.out.println(ip[i]);
```

```
    }
```

```
    catch (UnknownHostException
```

```
    {
```

```
        System.out.print("Error.....");
```

```
    }
```

```
}
```